

REMARKS

All rights are reserved to the original claimed subject matter. The claims have been amended to reduce the filing fees and to better conform to U.S. claim format. Examination of the application as amended is respectfully requested.

Respectfully submitted,
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APPENDIX OF MARKED-UP CLAIMS

3(Amended). Method according to [any one of the preceding claims] claim 1, characterized in that the movement detection, i.e. the detection of the abovementioned sequence of movement and standstill, can be performed a three-point median operation, after which the result of said median filtering operation and the incoming information of a following field is filtered by two low-pass filters, the absolute difference of the result of these two low-pass filter is calculated and the differences are summed, the sum, possibly divided by a number, being compared with a threshold value, the result of said comparison forming the abovementioned sequence stored in a memory, of the movement and standstill between successive fields.

5(Amended). Method according to Claim 3 [or 4], characterized in that the threshold value is calculated taking into account the luminance value of the current processed image.

7(Amended). Method according to [any one of the preceding claims] claim 1, characterized in that, if film mode is detected, the processing of the data is synchronized with the film phase by using oscillating shift to continuously transmit a sequence corresponding to the 2:2 pull-down mode and/or a sequence corresponding to the 3:2 pull-down mode and, if one of the corresponding mode is detected, to synchronize with a synchronization pulse transmitted by the detection of the sequences of movement and standstill between the successive fields.

9(Amended). Method according to [any one of claims 5 to 8] claim 5, characterized in that in the event of film mode being detected and of synchronization the threshold value is increased so that the sensitivity of the detection of movement or standstill decreases.

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10(Amended). Method according to [any one of the preceding claims] claim 1, characterized in that the incoming signals are subjected to edge boost by said signals being filtered by means of two phase-linear filters having a coefficient sum of 0, namely a band-pass filter preferably having the coefficients -1 0 2 -1 and a high-pass filter having, for example, the coefficients -1 2 -1, after which the result of these filtering operations is merged and scaled.

11(Amended). Method according to [any one of the preceding claims] claim 1, characterized in that the video signals to be processed are subjected to doubling or quadrupling and/or field rate doubling.

14(Amended). Apparatus for employing the method according to [any one of the preceding claims] claim 1, characterized in that it includes a movement detector (11), a film mode/video mode detector connected thereto, a synchronizer (21) to synchronize processing with the film phase, and a film processor proper.

17(Amended). Apparatus according to [any one of Claims 14 to 16] claim 14, characterized in that the synchronizer (21) includes at least one oscillating shift register or so-called "syncer" (22 or 23) which continuously transmits the sequence corresponding to the sequence of movement and standstill between successive fields for 2:2 pull-down or 3:2 pull-down, respectively, and preferably two shift registers or "syncers" (22 and 23), one for 2:2 pull-down and one for 3:2 pull-down.

18(Amended). Apparatus according to [any one of Claims 14 to 17] claim 14, characterized in that the film processing proper includes means for merging matching fields of a film image and for repeating the merged images.

20(Amended). Apparatus according to [any one of Claims 14 to 18 and according to Claim 19] claim 14, characterized in that as well as a movement detector (11), a film mode/video detector, a synchronizer (21) and a film processor it includes

means for employing doubling and/or means for performing quadrupling, and a field rate converter.

21(Amended). Apparatus according to [Claims 15 and 20] claim 15, characterized in that the means for performing doubling and/or the means for performing quadrupling include a median filter (1) which also forms part of the movement detector (11).

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